

Appln. Serial No. 09/943,871

Amendment July 26, 2007

Reply to Office Action Mailed April 26, 2007

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (Cancelled)
- 1 2. (Previously Presented) A method of controlling communications in a wireless
2 network comprising:
3 receiving, in a wireless network controller, a Temporary Logical Link Identity
4 (TLLI) structure in a message sent over an air link by a mobile station to establish a data transfer
5 session in the wireless network; and
6 selecting one of plural types of protocol stacks in the wireless network controller
7 to use for communications over the air link between the wireless network controller and mobile
8 station based on a value of the TLLI structure,
9 wherein selecting one of plural types of protocol stacks comprises selecting from
10 protocol stacks comprising a GERAN protocol stack.
- 1 3. (Original) The method of claim 2, wherein selecting one of plural types of
2 protocol stacks comprises selecting from plural stacks comprising the GERAN protocol stack
3 and an EGPRS protocol stack.
- 1 4. (Cancelled)
- 1 5. (Previously Presented) A method of controlling communications in a wireless
2 network comprising:
3 receiving, in a wireless network controller, a Temporary Logical Link Identity
4 structure in a message sent by a mobile station to establish a data transfer session in the wireless
5 network, wherein the Temporary Logical Link Identity structure has one of plural values; and
6 selecting one of plural types of protocol stacks to use for communications over an
7 air link between the wireless network controller and mobile station based on which of the plural
8 values is contained in the Temporary Logical Link Identity structure.

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1 6. (Original) The method of claim 5, wherein selecting one of plural types of
2 protocol stacks comprises selecting a first protocol stack if the Temporary Logical Link Identity
3 structure has a first value.

1 7. (Original) The method of claim 6, wherein selecting one of plural types of
2 protocol stacks further comprises selecting a second protocol stack if the Temporary Logical
3 Link Identity structure has a second value.

1 8. (Currently Amended) The method of claim [[1]] 2, wherein selecting one of
2 plural types of protocol stacks comprises selecting a first protocol stack if the Temporary Logical
3 Link Identity structure has a first value and selecting a second protocol stack if the Temporary
4 Logical Link Identity structure has a second value.

1 9. – 14. (Cancelled)

1 15. (Currently Amended) The system of claim [[14]] 18, wherein the first wireless
2 protocol comprises a GERAN wireless protocol.

1 16. (Original) The system of claim 15, wherein the second wireless protocol
2 comprises an EGPRS wireless protocol.

1 17. (Currently Amended) The system of claim [[14]] 18, wherein the first wireless
2 protocol comprises an EGPRS wireless protocol.

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1 18. (Currently Amended) ~~The system of claim 14,~~ A system comprising:
2 an interface to an air link to communicate with mobile stations; and
3 a controller adapted to perform contention resolution with a first type of mobile
4 station using a first type of indicator, the controller adapted to communicate signaling according
5 to a first wireless protocol with the first type of mobile station, and
6 the controller adapted to perform contention resolution with a second type of
7 mobile station using a second type of indicator, the controller adapted to communicate signaling
8 according to a second wireless protocol with the second type of mobile station,
9 wherein the first type of indicator comprises a Temporary Logical Link Identity
10 (TLLI) structure having a first value, and the second type of indicator comprises a TLLI structure
11 having a second value.

1 19. (Previously Presented) The system of claim 18, wherein the first value indicates
2 one of a local TLLI, a foreign TLLI, and a random TLLI, and the second value indicates one of a
3 local GCRI and a random GCRI.

1 20. – 27. (Cancelled)

1 28. (Currently Amended) The system of claim [[14]] 18, wherein the controller
2 performs contention resolution with the first type of mobile station by distinguishing the first
3 type of mobile station from another mobile station using the first type of indicator, and
4 the controller performs contention resolution with the second type of mobile
5 station by distinguishing the second type of mobile station from another mobile station using the
6 second type of indicator.